

(19) World Intellectual Property
Organization
International Bureau



(43) International Publication Date
17 February 2005 (17.02.2005)

PCT

(10) International Publication Number
WO 2005/013814 A1

(51) International Patent Classification⁷: A61B 5/00, 5/103

(21) International Application Number:
PCT/GB2004/003384

(22) International Filing Date: 6 August 2004 (06.08.2004)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
0318498.3 7 August 2003 (07.08.2003) GB

(71) Applicant (for all designated States except US): UNIVER-
SITY OF DUNDEE [GB/GB]; Nethergate, Perth Road,
Dundee DD1 4HN (GB).

(72) Inventors; and

(75) Inventors/Applicants (for US only): HEWITT, James,
Robert [GB/GB]; University of Dundee, Department of
Mechanical Engineering, Nethergate, Perth Road, Dundee
DD1 4HN (GB). SLADE, Alan, Peter [GB/GB]; Univer-
sity of Dundee, Department of Mechanical Engineering,

Nethergate, Perth Road, Dundee DD1 4HN (GB). PRID-
HAM, Mark, Stuart [GB/GB]; University of Dundee,
Department of Mechanical Engineering, Nethergate, Perth
Road, Dundee DD1 4HN (GB). KEATCH, Robert,
Phillip [GB/GB]; University of Dundee, Department of
Mechanical Engineering, Nethergate, Perth Road, Dundee
DD1 4HN (GB).

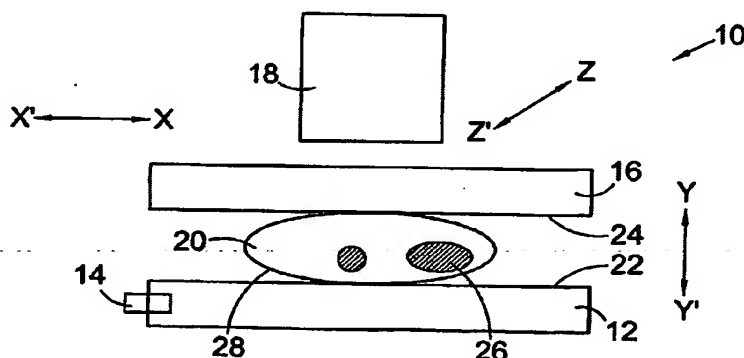
(74) Agents: SZCZUKA, Jan, Tymoteusz et al.; Marks &
Clerk, 19 Royal Exchange Square, Glasgow G1 3AE (GB).

(81) Designated States (unless otherwise indicated, for every
kind of national protection available): AE, AG, AL, AM,
AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN,
CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI,
GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE,
KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD,
MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG,
PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM,
TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM,
ZW.

(84) Designated States (unless otherwise indicated, for every
kind of regional protection available): ARIPO (BW, GH,
GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM,
ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM),

[Continued on next page]

(54) Title: PALPATION DEVICE



(57) Abstract: The invention relates to a palpation device and a palpation simulation device for use in surgery, such as minimal access surgery. The invention also relates to a method of palpating a body part, and to a method of simulating palpation of a body part. In one embodiment of the invention, a palpation device (10) is disclosed which comprises a first palpation assembly including a palpation member (12) and a light source in the form of an LED (14), and a second palpation assembly including a palpation member (16) and a light detecting means, in the form of a camera (18), for detecting light emitted by the light source (14). At least one of the first and second palpation members (12, 16) is movable with respect to the other member, to palpate a body part such as a patient's colon (20), disposed therebetween.

BEST AVAILABLE COPY